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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Kornman & Duff

Application No: 09/888,056

Filed: June 22, 2001

For: Screening Assays For Identifying
Modulators of the Inflammatory or
Immune Response.

RECEIVED

Examiner: To Be Assigned MAR 05 2002

Art Unit: 1645 TECH CENTER 1600/2900

Attorney Document No.: MSA-023.01

(20974-2301)

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to Commissioner for Patents, Washington, D.C. 20231 on February 21, 2002.


Terrill Williams

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97 (b)(3)

Commissioner for Patents
Washington, DC 20231

Sir:

In compliance with the requirements of 37 C.F.R. 1.56 and 1.97(b)(3), submitted herewith on Form PTO-1449 is a list of publications known to Applicants and their Attorney/Agent. A copy of each document is being submitted herewith. Applicants respectfully request that the Examiner consider the listed documents and indicate they were considered by making appropriate notations on the attached Form 1449.

This submission does not represent that a search has been made or that no better art exists. Nor does it constitute an admission that the cited documents are material or constitute "prior art." If the Examiner applies the listed documents as prior art against any claim in the application and Applicants determine that the cited documents do not constitute "prior art" under

United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents. Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the referenced documents be applied against the claims of the present application.


Under 37 C.F.R. § 1.97 (b)(3), this Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits; therefore, no fee is believed to be due in connection with this submission. However, the Commissioner is authorized to charge any deficiencies or credit any overpayment to/from our **Deposit Order Account, No. 06-1448**.

Should there be any questions after reviewing this paper, the Examiner is invited to contact the undersigned at (617) 832-1000.

Date: 2/21/02

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Respectfully Submitted,



John Quisel, Ph.D.
Reg. No. 47,874
Agent for Applicants

Form PTO-1449

INFORMATION DISCLOSURE CITATION

ON AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)
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09/888,056Applicant
Kornman & DuffFiling Date
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1645

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	US 6,063,630	05/16/00	Treco et al.	435	463	
AB	US 6,204,062 B1	03/20/01	Ratner	435	463	
AC	US 5,686,246	11/11/97	Kornman et al.	435	6	
AD	US 5,698,399	12/16/97	Duff et al.	435	6	
AE	US 6,140,047	10/31/00	Duff et al.	435	6	
AF	US 6,210,872 B1	04/03/01	Hosaki et al.	430	631	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
7	AG	WO 00/08492	02/17/00	PCT		English Abstract on first page	
8	AH	WO 01/00880 A2	01/04/01	PCT			X

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages Etc.)

9	AI	Postma et al.; "Genetic Susceptibility to Asthma Bronchial Hyperresponsiveness Coinherited with a Major Gene For Atopy", The New England Journal of Medicine, 333(14):894-900, (October 5, 1995)					
10	AJ	Hart & Kornman, "Genetic Factors in the Pathogenesis of Periodontitis", Periodontology 14 : 202-215, (1997)					
11	AK	Ahmed et al.; "Major Histocompatibility Complex Susceptibility Genes for Dermatitis Herpetiformis Compared with Those for Gluten-sensitive Enteropathy", J. Exp. Med. 178 : 2067-2075, (1993)					
12	AL	Dinarello A. Charles; "Interleukin-1", Review of Infectious Disease, 6(1): 51-95, (January-February, 1984)					
13	AM	Molvig et al.; "Endotoxin-Stimulated Human Monocyte Secretion of Interleukin 1, Tumour Necrosis Factor Alpha, and Prostaglandin E ₂ Shows Stable Interindividual Differences", Scand. J. Immunol. 27: 705-716, (1988)					
14	AN	Bendtzen et al.; "Association Between HLA-DR2 and Production of Tumour Necrosis Factor α and Interleukin 1 by Mononuclear Cells Activated by Lipopolysaccharide", Scand. J. Immunol. 28; 599-606, (1988)					
15	AO	Messer et al.; "Polymorphic Structure of the Tumor Necrosis Factor (TNF) Locus: An NcoI Polymorphism in the First Intron of the Human TNF- β Gene Correlates with a Variant Amino Acid in Position 26 and a Reduced Level of TNF- β Production", J. Exp. Med., 173: 209-219, (January 1991)					
16	AP	Sinha et al.; "Autoimmune Diseases: The Failure of Self Tolerance", 248: 1380-1388, (June 15, 1990)					
17	AQ	Jacob et al.; "Heritage Major Histocompatibility Complex class II- Associated Differences in Production of Tumor Necrosis Factor α : Relevance to Genetic Predisposition to Systemic Lupus Erythematosus", Proc. Natl. Acad. Sci. USA, 87: 1233-1237, (February 1990)					
18	AR	Marsh et al.; "Linkage Analysis of IL4 and Other Chromosome 5q31.1 Markers and Total Serum Immunoglobulin E. Concentrations", Science 264: 1152-1156, (May 20, 1994)					

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TECH CENTER 1600/2900

McGuire, et al.; "Variation in the TNF- α Promoter Region Associated with Susceptibility to Cerebral Malaria", Nature 371: 508-511, (October 6, 1994)

AT	Wilson et al.; "An Allelic Polymorphism within the Human Tumor Necrosis Factor α Promoter Region is Strongly Associated with HLA A1, B8, and DR3 Alleles", J. Exp. Med. 177: 557-560, (February 1993)
AU	Happle and Hoffman; "Cytokine Patterns in Alopecia Areata Before and After Topical Immunotherapy", The Journal of Investigative Ophthalmology, 104(5): 14S-15S, (May 1995)
AV	Wilson et al.; "Comparative Genetic Association of Human Leukocyte Antigen Class II and Tumor Necrosis Factor-Alpha with Dermatitis Herpetiformis", J. Invest. Dermatol. 104: 856-858, (1995)
AW	Slotman et al.; "Interleukin-1 Mediates Increased Plasma Levels of Eicosanoids and Cytokines in Patients with Sepsis Syndrome", Shock 4(5): 318-323, (1995)
AX	Abraham et al.; "Polymorphic MHC Ancestral Haplotypes Affect the Activity of Tumour Necrosis Factor-Alpha", Clin. Exp. Immunol. 92: 14-18, (1993)
AY	Wilson et al.; "A Genetic Association Between Systemic Lupus Erythematosus and Tumor Necrosis Factor Alpha", Eur. J. Immunol. 24:191-195, (1994)
AZ	Chaim O. Jacob, "Tumor Necrosis Factor α In Autoimmunity: Pretty Girl or Old Witch?", Immunology Today 13(4): 122-125, (1992)
BA	Degli-Esposti et al.; "An Approach to the Localization of the Susceptibility Genes for Generalized Myasthenia Gravis by Mapping Recombinant Ancestral Haplotypes", Immunogenetics 35: 355-364, (1992)
BB	Cox et al.; "Comparative Analysis of the Genetic Associations of HLA-DR3 and Tumour Necrosis Factor Alpha wit Human IDDM", Diabetologia 37: 500-503, (1994)
BC	Pociot et al.; "Association of Tumor Necrosis Factor (TNF) and Class II Major Histocompatibility Complex Alleles with the Secretion of TTNF- α and TNF- β by Human Mononuclear Cells: A Possible Link to Insulin-Dependent Diabetes Mellitus", Eur. J. Immunol. 23: 224-231, (1993)
BD	Meyers et al.; "Evidence for a Locus Regulating Total Serum IgE Levels Mapping to Chromosome 5", Genomics 23: 464-470, (1994)
BE	Sergio Romagnani; "Short Analytical Review TH1 and TH2 in Human Diseases", Clinical Immunology and Immunopathology, 80(3): 225-235, (1996)
BF	Cork et al.; "Genetic control of Cytokines", Dermatologic Clinics, 14(4): 671-678, (October 1996)
BG	D'Alfonso et al.; "A Polymorphic Variation in a Putative Regulation box of the TNFA Promoter Region", Immunogenetics 39: 150-154, (1994)
BH	Cox et al.; "An Analysis of Linkage Disequilibrium in the Interleukin-1 Gene Cluster, Using a Novel Grouping Method for Multiallelic Markers", Am. J. Hum. Genet. 62: 1180-1188, (1998)
BI	Mansfield et al.; "Novel Genetic Association Between Ulcerative Colitis and the Anti-Inflammatory Cytokine Interleukin-1 Receptor Antagonist", Gastroenterology 106: 637-642, (1994)

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Blakemore et al.; "Interleukin-1 Receptor Antagonist Gene Polymorphism as a Disease Severity Factor in Systemic Lupus Erythematosus, Arthritis & Rheumatism 37:(9): 1380-1385, (September 1994)

36
37
BK Clay et al.; "Novel Interleukin-1 Receptor Antagonist Exon Polymorphisms and their Use in Allele-Specific mRNA Assessment", Hum. Genet. 97: 723-726, (1996)

38
BL Lang et al.; "IL-1 Receptor Antagonist Attenuates Sepsis-Induced Alterations in the IGF System and Protein Synthesis", Am. J. Physiol. 270: E430-E437, (1996)

39
BM Woiciechowsky et al.; "Brain-IL-1 β Induces Local Inflammation but Systemic Anti-Inflammatory Response Through Stimulation of Both Hypothalamic-Pituitary-Adrenal Axis and Sympathetic Nervous System", Brain Research 816: 563-571, (1999)

40
BN Lang et al.; "Role of Central IL-1 in Regulating Peripheral IGF-I During Endotoxemia and Sepsis", Am. J. Physiol. 274: R956-R962, (1998)

41
BO Slotman et al.; "Unopposed Interleukin-1 is Necessary for Increased Plasma Cytokine and Eicosanoid Levels to Develop in Severe Sepsis", Annals of Surgery 226(1): 77-84, (1997)

42
BP Blakemore et al.; "Interleukin-1 Receptor Antagonist Allele (IL1RN*2) Associated with Nephropathy in Diabetes Mellitus", Hum. Genet. 97: 369-374, (1996)

43
BQ Clay et al.; "Interleukin 1 Receptor Antagonist Gene Polymorphism Association with Lichen Sclerosus", Hum. Genet. 94: 407-410, (1994)

44
BR Michael G. Newman; "Genetic Risk for Severe Periodontal Disease", Compendium of Continuing Education in Dentistry, 18(9): 881-891, (September 1997)

45
BS Kornman KS et al.; "The Interleukin-1 Genotype as a Severity Factor in Adult Periodontal Disease", J. Clin. Periodontol. 24:72-77, (1997)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.